



Subst. for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
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Sheet	1	of	8	Docket Number	068911-0169
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U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code ² (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US	3,451,821	6/24/69	Todd et al.	
	2	US	4,389,421	6/21/83	Palamand	
	3	US	4,758,445	7/19/88	Klusters	
	4	US	5,041,300	8/20/91	Todd et al.	
	5	US	5,866,162	2/9/99	Grattan, TJ	
	6	US	5,919,813	7/6/99	De Juan	
	7	US	6,210,701	4/3/01	Darland et al.	
	8	US	6,224,871	5/1/01	Hastings et al.	
	9	US	6,264,995	7/24/01	Newmark et al.	
	10	US	6,291,483	9/18/01	Upadhyay et al.	
	11	US	6,492,429	12/10/02	Graus et al.	
	12	US	6,689,388	2/10/04	Kuhrts	
	13	US	6,790,459	9/14/04	Cheng et al.	
	14	US	7,144,590	12/5/06	Khurts	
	15	US	7,195,785	3/27/07	Babish et al.	
	16	US	7,205,151	4/17/07	Babish et al.	
	17	US	7,270,835	9/18/07	Tripp et al.	
	18	US	7,279,185	10/9/07	Babish et al.	
	19	US	7,332,185	2/19/08	Babish et al.	
	20	US	7,431,948	10/7/08	Tripp et al.	
	21	US	20020028852	3/7/02	Ghai, et al.	
	22	US	20020156087	10/24/02	Nuss et al.	
	23	US	20030003212	1/1/03	Chien et al.	
	24	US	20030008021	1/9/03	Babish et al.	
	25	US	20030035851	2/20/03	Chen	
	26	US	20030180402	9/25/03	Jia et al.	
	27	US	20030228369	12/11/03	Kuhrts	
	28	US	20040115290	6/17/04	Tripp et al.	
	29	US	20040151792	8/5/04	Tripp et al.	
	30	US	20050042317	2/24/05	Babish et al.	
	31	US	20050129791	6/16/05	Babish et al.	
	32	US	20050191375	9/1/05	Babish et al.	
	33	US	20050192356	9/1/05	Babish et al.	
	34	US	20060127511	6/15/06	Tripp et al.	
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Subst. for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known			
				Application Number		10/590,301	
				Filing Date		Aug. 23, 2006	
				First Named Inventor		John Babish et al.	
				Art Unit		1627	
Examiner Name				Kanthamneni, Shobha			
Sheet	3	of	8	Docket Number	068911-0169		
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes - Number 4 - Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation	
						Yes	No
	B1	CN 1203268	12/30/1998	China	Abstract		
	B2	DE 1901277	8/6/1970	Partipharm AG, Basel			
	B3	DE 3931147	3/28/91	SO LONG NATURAL LTD	Abstract		
	B4	EP 0229022	7/15/1987	Sunshine et al.			
	B5	EP 0606599 A1	7/20/94	Miller Brewing Co.			
	B6	EP 0681029 A2	11/8/95	Zuyckerforschung			
	B7	EP 1 938 828	7/2/2008	Raul et al.			
	B8	EP 1543834	6/22/05	Biodynamics			
	B9	EP 1481671	12/1/2004	Kirin Beer Kabushiki Kaisha			
	B10	GB 2330076	4/14/99	S.S. Steiner, Inc.			
	B11	JP 04202138	7/22/92	Asahi Breweries Ltd	Abstract		
	B12	JP 07165583 (corresponding to EP 0229022)	6/27/1995	Sunshine et al.			
	B13	JP 08073369	3/18/96	Fuairudo KK			
	B14	JP 09502202 (corresponding to WO 95007079)	3/4/1997	Mitra			
	B15	JP 10152428	6/9/98	Kanebo Ltd	Abstract		
	B16	JP 10179129	7/7/1998	Sapporo Breweries Ltd			
	B17	JP 11246399	9/14/1999	Heisei			
	B18	JP 11335231	12/7/1999	Shiseido Co. Ltd.			
	B19	JP 11513037 (corresponding to WO 97049405)	11/9/1999	Leeves et al.			
	B20	JP 2001161338	6/19/2001	Kyodo Shoji			
	B21	JP 2002-12550	1/15/02	Noevir Co. LTD			
	B22	JP 2002-505296 (corresponding to WO99/44623)	2/19/2002	NPS Pharmaceuticals Inc.			
	B23	JP 363211219	9/2/88	TAIYO KORYO KK	Abstract		
	B24	JP 410025247	1/27/98	ASAHI BREWERIES LTD	Abstract		
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Examiner Name		Kanthammeni, Shobha	
Docket Number		068911-0169	

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B25	JP 52145509		12/3/1977	Matsui		No
B26	JP 59059623		4/5/1984	Daigo Nutritive Chemicals, Ltd.		
B27	JP 58009084		2/18/1983	Matsui T.		
B28	JP 9067245		3/11/97	Ashai Breweries, Ltd.	Abstract	
	SU 1247011		7/30/86	SP K B KHIM N PROIZV OBEDINENI		
B29						
B30	WO 00/74696		12/14/00	OXFORD NATURAL PRODUCTS PLC		
B31	WO 02/02582		1/10/02	Deusches		
B32	WO 02/32234 (corresponding to US 20030077313)		4/25/2002	Anton et al.		
B33	WO 03/035007		5/1/2003	Babish et al.		
B34	WO 03/068205 (corresponding to US 2006233902)		8/21/2003	Kirin Beer Kabushiki Kaisha		
B35	WO 03/075943		9/18/2003	Chen		
B36	WO 2003/000185		1/3/2003	Babish et al.		
B37	WO 2003/035007		5/1/2003	Metaproteomics LLC		
B38	WO 2004/037180		5/6/04	Metaproteomics LLC		
B39	WO 2004/062611		7/29/04	Lipoprotein Technologies Inc.		
B40	WO 2005/084230		9/15/05	Metaproteomics		
B41	WO 2006/053249		5/18/2006	Babish et al.		
B42	WO 2006/062681		6/15/2006	Babish et al.		
B43	WO 2007/067812		6/14/2007	Trip et al.		
B44	WO 95007079		3/16/1995	Mitra		
B45	WO 97/31630		9/4/1997	U. of Minnesota		
B46	WO 97049405		12/31/1997	Leeves et al.		
B47	WO 99/44623		9/10/99	NPS PHARMA INC		
B48	WO 99/61038		12/2/1999	Krotzer et al.		
B49	WO 03/082249		10/9/03	Alcon, Inc.		
B50	ZA 200000857		8/29/01	Marx, Anna-Susan		

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Art Unit	1627	Examiner Name	Kanthamneni, Shobha		

Complete if Known

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
C1		Abel-salam et al., Pharmacological Research, England 47(4), pp 311-340 (Apr. 2003)
C2		Albal, MV., et al., "Clinical evaluation of berberine in mycotic infections," Indian J. Ophthalmol 34:91-2 (1986)
C3		Anto, et al., "Anti-inflammatory Activity of Natural and Synthetic Curcuminoids", Pharmacy and Pharmacology Communications, 4(2), pp 103-106 (1998)
C4		Baldermann et al., J. Chromatography A 1192(1):191-3 (May 23, 2008) (Epub Apr. 8, 2008); abstract only (1 page)
C5		Bernajo, et al. Rev. Esp. Enferm. Dig. 95(9): 621-624 and 625-628 (2003)
C6		Bolick D et al., Endocrinology 144(12), pp 5227-5231 (Dec. 2003)
C7		Carroccio, et al. Clin. Chem. 49(6):861-867 (2003)
C8		Chattopadhyay et al., Current Science, 87(1) (July 10, 2004)
C9		Chen Wei-Jen et al., Journal of Agricultural and Food Chemistry 52(1), pp 55-64 (01/01/2004)
C10		Chou, et al. Adv enzyme regul 22:27-55 (1983)
C11		CHOU, et al. Eur. J. Biochem. 115:207-216 (1981)
C12		Chou, et al. J. Biol. Chem. 252(18):6438-6442 (1977)
C13		Chou, et al., TIPS, pp. 450-454, Nov. 1983
C14		Cohen, Protein Kinases - the major drug targets of the twenty-first century? Nature Reviews, 1: 309-315 (2002)
C15		Davies, WL. Abstract - Fertiliser, Feeding Stuffs and Farm Supplies J. 11:694 (1926)
C16		De Kukeleire "Fundamentals of Beer and Hop Chemistry" Quimica Nova, 23(1) pp 108-112 (2000)
C17		EP Search Report for EP App. No. 07809709.4
C18		European Search Report EP 05 723 839.6
C19		European Search Report for corresponding EP Application No. 02737562.5 (4 pages)
C20		European Search Report for related European Application No.: 02784313.5.
C21		Exercise as Treatment for Arthritis, Rheumatic and Immunologic Diseases, Cleveland Clinic, www.clevelandclinic.org, March 14, 2000.
C22		Extended European Search Report EP 10162893.1
C23		Extended European Search Report EP 07717798.8
C24		Extended European Search Report EP 07809708.6
C25		Foucalt et al., J. Chromatography A 808(1-2):3-22 (May 29, 1998); abstract only (3 pages)
C26		Gao et al., J. Food Sci. Nutr. Vol. 9, pp 240-244 (2004)
C27		Gerhauser, "Beer Constituents as Potential Cancer Chemopreventive Agents, EP Journal of Cancer 41; 1941-1954: (2005)

DATE CONSIDERED

EXAMINER

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(Use as many sheets as necessary)

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER'S INITIALS

CITE NO.

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

C28	Germany, "The Absolutely German Drink," contents of beer, 2004, 5 pages.
C29	Gilani, "Studies on Antihypertensive and Antispasmodic Activities of Methanol Extract of Acacia nilotica Pods", Phytotherapy Research 13: 665-669 (1999)
C30	Goldstein, et al. Am. J. Gastroenterol. 96(4):1019-1027 (2001)
C31	Hamberg, et al. J. Bio. Chem. 246(22):6713-6721 (1971)
C32	Information on "ArthroTrim™ product", downloaded from Internet 8/30/02
C33	Information on "Hops and Beer Flavours", IOB Technical Symposium, April 2001, pp. 1-9.
C34	Information on "Zyflamend and Zyflamend PM", downloaded from Internet 8/30/02.
C35	International Search Report for Corresponding PCT Application No. PCT/US05/41018; 2pp
C36	International Search Report for PCT/US06/30920, 08/03/07, 3 pages
C37	International Search Report for PCT/US06/47196
C38	Jach, Przegl Dermatol. 65(4):379-381 (1978)
C39	Jaffi et al., Pakistan Journal of Science, Vol. 61, No. 4, pp 220-222 (2009, Dec.)
C40	Kalmer, Investigation of formation of Hops Aroma and technological Measures for Products of Hops-Aromatic Beers, Technical University of Munich, 7 pp. corresponding to Kalmer, D., Technische Universität München, (11/30/2000), pp. 1-193, plus Tabs. AHI-A
C41	Konda, et al., Arthritis & Rheumatism 62(6): 1683-1692, (2010)
C42	Lamy Virginie et al., Apoptosis, an Intl Journal on Programmed Cell Death, 13(10), pp 1232-1242 (Aug. 25, 2008)
C43	Lamy Virginie et al., Carcinogenesis, 28(7), pp 1575-1581 (July 2007)
C44	Lerman et al, FASEB Journal, Fed. Of American Soc. For Experimental Biol., Vol. 18, No. 4-5 (2004, Jan. 1)
C45	Lopes, Curr. Med Res Opin. 8(3):145-149 (1982)
C46	Mannering et al., Food, Nutrition and Chemical Toxicity X(X), pp 311-323 (Jan. 1, 1993)
C47	Minich et al., Journal of nutrition and Metabolism, Vol. 2010, article ID 467316, pp-1-11, (2010)
C48	Newark, et al., "Beyond Aspirin", pp. 147-151, Hohm Press (2000)
C49	Office Action issued for App. No. 11667614 (068911-0198) mailed 04/16/2010
C50	Office Action issued for App. No. 11667615 (068911-0199) mailed 03/16/2010
C51	Office Action issued for App. No. 11701583 (068911-0178) mailed 02/08/2008
C52	Office Action issued for App. No. 11701583 (068911-0178) mailed 07/06/2009
C53	Office Action issued for App. No. 11701583 (068911-0178) mailed 11/26/2008
C54	Office Action issued in U.S. App. No. 10/464,834 (068911-0012) on 08/03/2010
C55	Office Action issued in U.S. App. No. 10/532,388 (068911-0116) on 03/26/2010
C56	Office Action issued in U.S. App. No. 10/590,301 (068911-0169) on 08/19/2010
C57	Office Action issued in U.S. App. No. 10/590,424 (068911-0160) on 06/29/2010

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	C58	Office Action issued in U.S. App. No. 10/789,814 (068911-0075) on 06/11/2010			
	C59	Office Action issued in U.S. App. No. 11/344,556 (068911-0142) on 09/03/2010			
	C60	Office Action issued in U.S. App. No. 11/344,556 (068911-0142) on 12/16/2009			
	C61	Office Action issued in U.S. App. No. 11/344,556 (068911-0142) on 03/27/2009			
	C62	Office Action issued in U.S. App. No. 11/344,557 (068911-0139) on 03/25/2010			
	C63	Office Action issued in U.S. App. No. 11/344,557 (068911-0139) on 04/21/2008			
	C64	Office Action issued in U.S. App. No. 11/344,557 (068911-0139) on 08/28/2009			
	C65	Office Action issued in U.S. App. No. 11/344,557 (068911-0139) on 01/10/2007			
	C66	Office Action issued in U.S. App. No. 11/344,557 (068911-0139) on 09/26/2007			
	C67	Office Action issued in U.S. App. No. 11/649,584 (068911-0175) on 03/03/2010			
	C68	Office Action issued in U.S. App. No. 11/344,552 (068911-0138) on 09/08/2010			
	C69	Office Action issued in U.S. App. No. 11/501,393 (068911-0150) on 08/25/2010			
	C70	Office Action issued in U.S. App. No. 12/030,335 (068911-0238) on 10/21/2010			
	C71	Office Action issued in U.S. App. No. 11/636,867 (068911-0172) on 08/30/2010			
	C72	Office Action issued in U.S. App. No. 11/729,696 (068911-0180) on 03/25/2010			
	C73	Panglisch, Monafsschrift fuer Brauwissen Schaft, 43(1), 4-16 (1990)			
	C74	Parts per Million, 1 page, 2004			
	C75	Poullis ,et al. J. Gastroenterol. Hepatol. 18:756-762 (2003)			
	C76	Provital Group, Rosemary-eco Botany, 2007, 9 pages			
	C77	Q & A, (what does ppm or ppb mean?) 3 pages, 2004			
	C78	Rahman, M.M., et al., "Conjugated linoleic acid inhibits osteoclast differentiation of RAW264.7 cells by modulating RANKL signaling" J. Lipid Res., 47(8): 1739-1748, (2006)			
	C79	Smith, et al., Natural Foam Stabilizing and Bittering Compounds Derived From Hops, Journal of the American Society of Brewing Chemists, Vol. 56, No. 2, 1998, pp. 52-57			
	C80	Stephan T E et al., Biochemical Pharmacology, 55(4), pp 505-514, (Feb. 15, 1998)			
	C81	Stevens, Xanthohumol and related Prenylflavonoids from Hops and Beer: To Your Good Health, Science Direct, 2pp (2004)			
	C82	Suh, et al. Cancer Res 58:717-723 (1988)			
	C83	Supplemental European Search Report for EP 07845228			
	C84	Supplementary European Search Report from related EP Application No.: 05851567, 8PP			
	C85	Supplementary Partial European Search Report for related European Patent Application No. 05723895.8, 5 pages (2007)			
	C86	Tagashira M et al., Bioscience, Biotechnology, and Biochemistry, 59(4), pp 740-742 (April 1995)			
	C87	The national. 3 pages (1999)			
	C88	Tibble, et al. Drugs Today 37(2):85-96 (2001)			
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